



YRD. DOÇ. DR. DEVRİM AKÇA
Işık Üniversitesi
İnşaat Mühendisliği Bölümü Öğretim Üyesi
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- 1. Adı Soyadı** : Devrim AKÇA
- 2. Doğum Tarihi** : 1975
- 3. Unvanı** : Yrd. Doç. Dr.
- 4. Öğrenim Durumu :**

ÖĞRENİM DÖNEMİ	DERECE	ÜNİVERSİTE	ÖĞRENİM ALANI
1993-1997	Lisans	Karadeniz Teknik Üniversitesi	Jeodezi ve Fotogrametri Müh.
1997-2000	Y. Lisans	Karadeniz Teknik Üniversitesi	Jeodezi ve Fotogrametri Müh.
2003-2007	Doktora	ETH Zurich	Fotogrametri

5. Akademik Ünvanlar

YIL	UNVAN	ÜNİVERSİTE	BÖLÜM
2009	Yrd. Doçent	Işık Üniversitesi	Enformasyon Teknolojileri Bölümü

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

6.1. Yüksek Lisans Tezleri

- 1) An E-learning software for digital monoplotting, M.Sc. thesis by Matthias Flühler, Institute of Geodesy and Photogrammetry, ETH Zurich, 2004.
- 2) 3D object modeling by use of a close range active sensor, B.Sc. thesis by David Novak, Institute of Geodesy and Photogrammetry, ETH Zurich, 2006.
- 3) Untersuchung verschiedener Methoden zur Registrierung von Punktwolken, B.Sc. thesis by Thomas Pfarrwaller, Institute of Geodesy and Photogrammetry, ETH Zurich, 2006.

6.2. Doktora Tezleri

7. Yayınlar

7. 1. SCI-Expanded kapsamındaki dergilerde yayınlanan makaleler

- 1) Gruen, A., Akca, D., 2005. [Least squares 3D surface and curve matching](#). ISPRS Journal of Photogrammetry and Remote Sensing, 59 (3), 151-174.
- 2) Akca, D., 2007. [Matching of 3D surfaces and their intensities](#). ISPRS Journal of Photogrammetry and Remote Sensing, 62 (2), 112-121.
- 3) Akca, D., Gruen, A., 2009. [Comparative geometric and radiometric evaluation of mobile phone and still video cameras](#). The Photogrammetric Record, 24 (127), 217 – 245.
- 4) Akca, D., 2010. [Co-registration of surfaces by 3D Least Squares matching](#). Photogrammetric Engineering and Remote Sensing, 76 (3), 307 – 318.
- 5) Seybold, H.J., Molnar, P., Akca, D., Doumi, M., Cavalcanti Tavares, M., Shinbrot, T., Andrade Jr., J.S., Kinzelbach, W. Herrmann, H.J., 2010. [Topography of inland deltas: Observations, modeling, and experiments](#). Geophysical Research Letters, 37 (8), L08402, 5 pages.
- 6) Akca, D., Freeman, M., Sargent, I., and Gruen, A., 2010. [Quality assessment of 3D building data](#). The Photogrammetric Record, 25(132), 339-355.
- 7) Akca, D., 2012. 3D modelling of cultural heritage objects with a structured light system, Mediterranean Archaeology and Archaeometry, 12(1), 139 – 152.

7.2. Uluslararası hakemli dergilerde yayınlanan makaleler

- 1) Akca, D., Gruen, A., 2009. Radiometric performance analysis of mobile phone cameras. *Asian Journal of Geoinformatics*, 9 (1), 3-8.

7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler.

- 1) Akca, D., 2003. Full automatic registration of laser scanner point clouds. In: Gruen, A., Kahmen, H. (Eds.), *Optical 3-D Measurement Techniques VI*, Zurich, Switzerland, September 22-25, vol. I, pp. 330-337.
- 2) Akca, D., Gruen, A., 2003. Re-sequencing a historical palm leaf manuscript with boundary-based shape descriptors. 19th CIPA International Symposium, Antalya, Turkey, September 30-October 4. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, vol. XXXIV, part 5/C15, pp. 55-60.
- 3) Gruen, A., Akca, D., 2004. Least squares 3D surface matching. ISPRS "Panoramic Photogrammetry Workshop", Dresden, Germany, February 19-22. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, vol. XXXIV, part 5/W16 (on CD-ROM).
- 4) Akca, D., 2004. A new algorithm for 3D surface matching. 20th ISPRS Congress, Istanbul, Turkey, July 12-23. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, vol. XXXV, part B7, pp. 960-965.
The ISPRS Award for the Best Papers by Young Authors.
- 5) Akca, D., Gruen, A., 2005. A flexible mathematical model for matching of 3D surfaces and attributes. *Videometrics VIII, Proc. of SPIE-IS&T Electronic Imaging*, San Jose (California), USA, January 18-20. *Proc. of SPIE*, vol. 5665, pp.184-195.
- 6) Gruen, A., Akca, D., 2005. Least squares 3D surface matching. ASPRS 2005 Annual Conference, Baltimore (Maryland), USA, March 7-11 (on CD-ROM).
- 7) Akca, D., 2005. Registration of point clouds using range and intensity information. *International Workshop on Recording, Modeling and Visualization of Cultural Heritage*, Ascona, Switzerland, May 22-27, E. Baltsavias, A. Gruen, L. Van Gool, M. Pateraki (Eds.), Taylor & Francis/Balkema, Leiden, pp. 115-126.
- 8) Fluehler, M., Niederoest, J., Akca, D., 2005. Development of an educational software system for the digital monoplotting. ISPRS Workshop on "Tools and Techniques for E-Learning", Potsdam, Germany, June 1-3. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, vol. XXXVI, part 6/W30 (on CD-ROM).
- 9) Akca, D., Gruen, A., 2005. Fast correspondence search for 3D surface matching. ISPRS Workshop Laser scanning 2005, Enschede, the Netherlands,

September 12-14. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, vol. XXXVI, part 3/W19, pp. 186-191.

- 10) Akca, D., Gruen, A., 2005. Recent advances in least squares 3D surface matching. In: Gruen, A., Kahmen, H. (Eds.), Optical 3-D Measurement Techniques VII, Vienna, Austria, October 3-5, vol. II, pp. 197-206.
- 11) Akca, D., Gruen, A., Alkis, Z., Demir, N., Breuckmann, B., Erduyan, I., and Nadir, E., 2006. 3D modeling of the Weary Herakles statue. 5th International Symposium Turkish-German Geodetic Days, Berlin, March 28-31, (only on CD-ROM).
- 12) Akca, D., Gruen, A., Alkis, Z., Demir, N., Breuckmann, B., Erduyan, I., and Nadir, E., 2006. 3D modeling of the Weary Herakles statue with a coded structured light system. ISPRS Commission V Symposium, Dresden, September 25-27. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, vol. XXXVI, part 5, pp. 14-19.
- 13) Zhang, L., Kocaman, S., Akca, D., Kornus, W., and Baltsavias, E., 2006. Test and performance evaluation of DMC images and new methods for their processing. ISPRS Commission I Symposium, Paris, July 3-6, (only on CD-ROM).
- 14) Akca, D., Remondino, F., Novák, D., Hanusch, T., Schrotter, G., and Gruen, A., 2006. Recording and modeling of cultural heritage objects with coded structured light projection systems. 2nd International Conference on Remote Sensing in Archaeology, Rome, Italy, December 4-7, pp.375-382.
- 15) Akca, D., Remondino, F., Novák, D., Hanusch, T., Schrotter, G., and Gruen, A., 2007. Performance evaluation of a coded structured light system for cultural heritage applications. Videometrics IX, Proc. of SPIE-IS&T Electronic Imaging, San Jose (California), USA, January 29-30, SPIE vol. 6491, pp. 64910V-1-12.
- 16) Gruen, A., and Akca, D., 2007. Mobile Photogrammetry. Dreiländertagung SGPBF, DGPF und OVG, MuttENZ, Switzerland, June 19-21, DGPF Tagungsband 16 / 2007, pp. 441-451.
- 17) Baltsavias, E., Eisenbeiss, H., Akca, D., Waser, L.T., Küchler, M., Ginzler, C. and Thee, P., 2007. Modeling fractional shrub/tree cover and multi-temporal changes using high-resolution digital surface models and CIR-aerial images. Dreiländertagung SGPBF, DGPF und OVG, MuttENZ, Switzerland, June 19-21, DGPF Tagungsband 16 / 2007, pp. 287-297.
- 18) Akca, D., 2007. Least squares matching of 3D surfaces. 4th Symposium of Turkish Society for Photogrammetry and Remote Sensing, Istanbul, Turkey, June 5-7, (only on CD-ROM).
- 19) Akca, D., Gruen, A., Breuckmann, B., and Lahanier, C., 2007. High definition 3D-scanning of arts objects and paintings. In: Gruen, A., Kahmen, H. (Eds.), Optical 3-D Measurement Techniques VIII, Zurich, Switzerland, July 9-12, vol. II, pp. 50-58.
- 20) Baltsavias E., Kocaman S., Akca D., and Wolff K., 2007. Geometric and Radiometric Investigations of Cartosat-1 Data. ISPRS Hannover Workshop 2007,

"High Resolution Earth Imaging for Geospatial Information", Hannover, Germany, May 29- June 1, (on CD-ROM).

- 21)** Akca, D., Gruen, A., 2007. Generalized Least Squares multiple 3D surface matching. ISPRS Workshop on Laser Scanning 2007 and SilviLaser 2007, Espoo, Finland, September 12-14. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, vol. XXXVI, part 3 / W52, pp. 1-7.
- 22)** Akca, D., Gruen, A., 2007. Simultaneous co-registration and georeferencing of multiple pointclouds. 28th Asian Conference on Remote Sensing (ACRS'07), Kuala Lumpur, Malaysia, November 12-16 (only on CD-ROM).
- 23)** Gruen, A., Akca, D., 2007. Calibration and accuracy testing of mobile phone cameras. 28th Asian Conference on Remote Sensing (ACRS'07), Kuala Lumpur, Malaysia, November 12-16 (only on CD-ROM).
- 24)** Gruen, A., and Akca, D., 2008. Evaluation of metric performance of mobile phone cameras. International Calibration and Orientation Workshop EuroCOW 2008, Castelldefels, Spain, January 30 - February 1 (only on CD-ROM).
- 25)** Akca, D. and Gruen, A., 2008. Co-registration of pointclouds by 3D Least Squares matching. The International LIDAR Mapping Forum, Denver, Colorado, US, February 21-22 (only on CD-ROM).
- 26)** Gruen, A., and Akca, D., 2008. Evaluation of the metric performance of mobile phone cameras. 6th International ARIDA (Association for Real Time Imaging and Dynamic Analysis) Workshop "Innovation in 3D measurement, modeling and visualization", Trento, Italy, February 25-26 (only on CD-ROM).
- 27)** Akca, D., Freeman, M., Gruen, A., and Sargent, I., 2008. Quality assessment of 3D building data by 3D surface matching. 21th ISPRS Congress, Beijing, China, July 3-11. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, vol. XXXVII, part B2, pp. 771-777.
- 28)** Gruen, A., and Akca, D., 2008. Metric accuracy testing with mobile phone cameras. 21th ISPRS Congress, Beijing, China, July 3-11. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, vol. XXXVII, part B5, pp. 729-736.
- 29)** Akca, D., and Gruen, A., 2008. Radiometric performance analysis of mobile phone cameras. 29th Asian Conference on Remote Sensing (ACRS'08), Colombo, Sri Lanka, November 10-14 (only on CD-ROM).
- 30)** Akca, D., Gruen, A., Freeman, M., and Sargent, I., 2009. Fast quality control of 3D city models. The International LIDAR Mapping Forum, New Orleans, Louisiana, US, January 26-28 (only on CD-ROM).
- 31)** Akca, D., Gruen, A., Askarinejad, A., and Springman, S.M., 2011. Photogrammetric monitoring of an artificially generated landslide. The International Conference on GeoInformation For Disaster Management (Gi4DM'11), Antalya, Turkey, May 3-8 (only on CD-ROM).

7.4. Yazılan uluslararası kitaplar veya kitaplarda bölümler

1) Akca, D., 2007. [Least Squares 3D surface matching](#). Ph.D. thesis, Institute of Geodesy and Photogrammetry, ETH Zurich, Switzerland, ISBN 3-906467-63-5, Mitteilungen Nr.92, 78 pages.
The Silver Medal of ETH Zurich - Distinction of the Doctoral Thesis.
Carl Pulfrich Award - 2009

2) Akca, D., Gruen, A., 2008. Photogrammetric Documentation of Alois Payer's Art Studio. In: Institut für Denkmalpflege und Bauforschung der ETH Zürich (Ed.), Methoden eines Ad-hoc-Inventars. Das Künstleratelier Payer & Wipplinger in Einsiedeln. ISBN 978-3-7281-3244-4, vdf Hochschulverlag AG an der ETH Zürich, pp. 15-23.

7.5. Ulusal hakemli dergilerde yayımlanan makaleler

1) Akça, D., ve Doğan, S., 2002. Sayısal görüntülerde Ana Bileşenler Dönüşümü. Harita Dergisi, sayı 129, sayfa 1-15, (in Turkish).

7.6. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

1) Yomralıoğlu, T., ve Akça, D., 1999. Çevresel Bilgi Sistemleri için model-altlık tasarımı: Trabzon Değirmendere Havzası örneği. Yerel Yönetimlerde Kent Bilgi Sistemi Uygulamaları Sempozyumu, Trabzon, 13-15 Ekim, sayfa 297-306, (in Turkish).

2) Akca, D., 2010. 3B Kent modellerinin kalite kontrolü. III. Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu, Gebze, Kocaeli, 11-13 Ekim, sayfa 88-96 (in Turkish).

7.7. Diğer yayımlar

1) Akça, D., 2000. Coğrafi Bilgi Sistem ile çevresel verilerin modellenmesi: Trabzon Değirmendere Vadisi örneği. Yüksek Lisans Tezi, Kardeniz Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Trabzon, sayfa 1-146, (M.Sc. thesis, in Turkish).

2) Akca, D., 2003. Re-sequencing a historical palm leaf manuscript. Internal Technical Report at IGP - ETH, Zurich, May, 39 pages.

3) Akca, D., 2003. Generalized Procrustes Analysis and its applications in Photogrammetry. Internal Technical Report at IGP - ETH, Zurich, June, 23 pages.

4) Akca, D., 2004. Least squares 3D curve matching. Internal Technical Report at IGP – ETH, Zurich, March, 27 pages.

- 5) Akca, D., 2005. Co-registration of large volume laser scanner point clouds: The Pinchango Alto (Peru) data set. Internal Technical Report at IGP –ETH, Zurich, July, 21 pages.
- 6) Akca, D., and Zhang, L., 2006. Evaluation of spatial accuracy potential of the SRTM X-SAR DEMs. Technical report to German Aerospace Center (DLR), Zurich, February, 7 pages.
- 7) Akca, D., 2007. Accuracy concept for 3D building reconstruction. Technical report to Ordnance Survey (UK), Zurich, February, 11 pages.
- 8) Akca, D., 2007. First processing results of the Avonmouth and Bournemouth test sites by the LS3D software. Technical Report to Ordnance Survey (UK), Zurich, September, 29 pages.
- 9) Akca, D., and Gruen, A., 2008. Photogrammetric Documentation of Alois Payer's Art Studio in Einsiedeln, Switzerland. Internal Technical Report at IGP - ETH, Zurich, April, 16 pages.
- 10) Springman, S., Askarinejad, A., Kienzler, P., Casini, F., Sperl, M., Bleiker, E., Akca, D., and Gruen, A., 2010. The Ruedlingen monitoring and landslide experiment. D-BAUG Annual Report 2009, ETH Zurich, March 2010, pp. 26-31.
- 11) Akca, D., and Gruen, A., 2010. Photogrammetric Processing of Image Data of the TRAMM Project. Internal Technical Report submitted to the IGT - ETH Zurich, Istanbul, October, 17 pages.

8. Projeler

8.1. ETH Zürich’te gerçekleştirilen projeler

- 1) Re-Sequencing a Historical Palm Leaf Manuscript, in cooperation with Museum Rietberg Zürich (Switzerland), finished project. 2002-2003.
<http://www.photogrammetry.ethz.ch/research/palmleaf/>
- 2) Automated Registration and Evaluation of Laser Scanner Point Clouds and Images, funded by an ETHZ Research Grant (TH Project number: 13./04-1), finished project. 2003-2007.
A paper of the project was awarded by the ISPRS Prize for Best Papers by Young Authors, 20th ISPRS Congress, Istanbul, 2004.
<http://www.photogrammetry.ethz.ch/research/pointcloud/>
- 3) Development of an Educational Software System for the Digital Monoplotting, funded by the own resources of the professorship, finished project. 2004.
Awarded by the Silber Award at the CATCON Competition at the XXth ISPRS

Congress in Istanbul, 2004.

<http://www.photogrammetry.ethz.ch/research/student/monoplotting.html>

- 4) 3D Modeling of the pre-Inca site Pinchango Alto (Peru) with terrestrial laserscanning and UAV images, in cooperation with Riegl Laser Measurement Systems (Austria), Helicam (Switzerland), and the German Institute of Archaeology, Commission for General and Comparative Archaeology (KAVA) in Bonn (Germany), finished project. 2004.
<http://www.photogrammetry.ethz.ch/research/pinchango/>
- 5) Filling the Data Holes of SRTM C-Band DEMs by use of the Least Squares 3D Surface Matching (LS3D), in cooperation with the Swissphoto AG (Switzerland) and Jeppesen (Denver, USA), finished project. 2005.
<http://www.photogrammetry.ethz.ch/research/srtm/>
- 6) 3D Modeling of the Weary Herakles Statue in Antalya, Turkey, in cooperation with the Breuckmann GmbH (Germany), finished project. 2005-2006.
<http://www.photogrammetry.ethz.ch/research/herakles/>
- 7) Quality Assessment of 3D Building Data, in cooperation with the Ordnance Survey Research (UK), finished project. 2006-2007.
https://www.rdb.ethz.ch/projects/project.php?proj_id=20466
- 8) Mobile Photogrammetry, funded by the own resources of the professorship, finished project. 2006-2007.
https://www.rdb.ethz.ch/projects/project.php?proj_id=20467
- 9) 3D Modeling of a Khmer head in Museum Rietberg Zurich, 2007. in cooperation with Museum Rietberg Zürich (Switzerland), finished project.
Awarded by the Nachwuchsförderpreises für Photogrammetrie, Fernerkundung und Geoinformation - in Memoriam Prof. Dr. Karl Kraus, 2. Preis, Dreilaendertagung 2007 der SGBPF, DGPF, OVG, in Muttenz (Switzerland).
<http://www.photogrammetry.ethz.ch/research/khmer/>
- 10) Calibration and Validation of ALOS/PRISM Images and Products, 2007. in cooperation with the Japan Aerospace Exploration Agency (JAXA) and GAEL Consultant (France) of ESA/ESRIN, finished project.
<http://www.photogrammetry.ethz.ch/research/ALOS/>
- 11) 3D Modeling of Alfred Escher Statue in Zurich, 2007. in cooperation with the Credit Suisse (Switzerland), finished project.
<http://www.photogrammetry.ethz.ch/research/escher/>
- 12) Photogrammetric Documentation of Alois Payer's Art Studio in einsiedeln, Switzerland, in cooperation with the Institute of Historic Building Research and conservation of ETH Zurich, finished project. 2008.
- 13) TRAMM - Triggering of Rapid Mass Movements in Steep Terrain, in cooperation with the Institute for Geotechnical Engineering of ETH Zurich and Swiss Federal Research Institute WSL, finished project. 2008-2009.
<http://www.cces.ethz.ch/projects/hazri/tramm/>

8.2. Işık Üniversitesinde gerçekleştirilen projeler

- 1) Cep telefonu kameralarıyla 3 boyutlu mobil modelleme sistemi tasarımı, Işık Üniversitesi Bilimsel Araştırma Projesi, 2011 – 2013.

9. İdari Görevler, Akademik ve Mesleki Deneyim

9.1. İdari Görevler

TARİH	KURUM/KURULUŞ	GÖREV

9.2. Akademik ve Mesleki Deneyim

GÖREV DÖNEMİ	ÜNVAN	KURUM/KURULUŞ	BÖLÜM
1993-1993	Kadastro Teknisyeni	Tapu ve Kadastro Genel Müdürlüğü (TKGM)	Yenice (Zonguldak) Kadastro Müdürlüğü
1997-2000	Harita Mühendisi	Tapu ve Kadastro Genel Müdürlüğü (TKGM)	Maçka (Trabzon) Kadastro Müdürlüğü
2000-2001	Araş. Gör.	Ondokuz Mayıs Üniversitesi, Samsun	Jeodezi ve Fotogrametri Mühendisliği Bölümü
2001-2002	Araş. Gör.	İstanbul Teknik Üniversitesi	Geomatik Mühendisliği Bölümü
2002-2003	Akademik Misafir	ETH Zürich	Institute of Geodesy and Photogrammetry
2003-2007	Doktorand	ETH Zürich	Institute of Geodesy and Photogrammetry
2003-2007	Post-doctoral researcher	ETH Zürich	Institute of Geodesy and Photogrammetry
2009-2011	Yrd. Doç. Dr.	Işık Üniversitesi	Enformasyon Teknolojileri Bölümü
2009-2011	Yrd. Doç. Dr.	Işık Üniversitesi	İnşaat Mühendisliği Bölümü

10. Bilimsel Kuruluşlara Üyelikler

- 1) Tapu ve Kadastro Meslek Lisesi (TKML) Mezunları Derneği, 1993.
- 2) TMMOB – Harita ve Kadastro Mühendisleri Odası (HKMO), 1997.
- 3) Ulusal Geodezi Komisyonu, 2002.
- 4) Amerikan Fotogrametri ve Uzaktan Algılama Birliği, 2006
American Society for Photogrammetry and Remote Sensing (ASPRS).
- 5) MDPI Remote Sensing dergisinin Editör Kurulu üyesi, 2008.
<http://www.mdpi.com/journal/remotesensing/editors>
- 6) İsviçre Fotogrametri ve Uzaktan Algılama Birliği, 2009
Schweizerische Gesellschaft für Photogrammetrie und Fernerkundung (SGPF).
- 7) Harita Teknolojileri Elektronik Dergisi, Yayın Kurulu üyesi, 2011.

11. Ödüller

- 1) Yüksek Onur Öğrencisi ve Bölüm Birincisi olarak mezuniyet (GNO: 3.43/4.00)
Jeodezi ve Fotogrametri Mühendisliği Bölümü, Karadeniz Teknik Üniversitesi, 1997.
- 2) TÜBİTAK - Bilim Adamı Yetiştirme Grubu (BAYG) Yurtiçi Doktora Bursu, 2001-2002.
- 3) ISPRS En İyi Genç Yazar Ödülü, 2004
The ISPRS Prize for Best Papers by Young Authors, 20th ISPRS Congress.
- 4) ETH Zürih Gümüş Madalyası, 2008
The Silver Medal of ETH Zurich – Distinction of the Doctoral Thesis.
- 5) Carl Pulfrich Ödülü, 2009
Carl Pulfrich Award, Intergraph Corporation.

12. Son iki yılda verilen lisans ve lisansüstü düzeydeki derslerler

Akademik Yıl	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
		Teorik	Uyg.	
2008 Bahar	Photogrammetry and Machine Vision - (<i>Y.Lisans</i>)	2	1	10
	Close-range Photogrammetry - (<i>Y.Lisans</i>)	2	1	7

2009 Bahar	Photogrammetry and Machine Vision - (<i>Y.Lisans</i>)	2	1	8
	Close-range Photogrammetry - (<i>Y.Lisans</i>)	2	1	8
2009 Güz	Introduction to Computing - (<i>Lisans</i>)	2	2	99
	Computer Organization - (<i>Lisans</i>)	3	1	30
2010 Bahar	Introduction to Computing - (<i>Lisans</i>)	2	2	95
	Data Structures and Algorithms - (<i>Lisans</i>)	3	2	60
2010 Yaz	Introduction to Computing - (<i>Lisans</i>)	2	2	19
2010 Güz	Introduction to Computing - (<i>Lisans</i>)	2	2	60
	Computer Organization - (<i>Lisans</i>)	3	1	22
2011 Bahar	Introduction to Computing - (<i>Lisans</i>)	2	2	87
	Data Structures and Algorithms - (<i>Lisans</i>)	3	2	50
	Geographical Information Systems – (<i>Lisans</i>)	3	0	23
2011 Güz	Introduction to Computing - (<i>Lisans</i>)	2	2	139
	Mathematics I	3	0	63
2012 Bahar	Introduction to Programming – (<i>Lisans</i>)	3	2	65
	Geographical Information Systems – (<i>Lisans</i>)	3	0	26

13. Diğer akademik ve bilimsel faaliyetler

13.1. Hakemlik yaptığı dergiler

- 1) Computer Graphics Forum
- 2) Photogrammetric Engineering and Remote Sensing
- 3) DAGM (German Association for Pattern Recognition)
- 4) VAST (International Symposium on virtual Reality, Archeology and Cultural Heritage)
- 5) ISPRS Journal of Photogrammetry and Remote Sensing
- 6) Eurographics
- 7) Journal of Zhejiang University Science
- 8) The Photogrammetric Record
- 9) Journal of Applied Geodesy
- 10) Computer-Aided Design
- 11) Experimental Techniques

- 12) Hydrological Processes
- 13) International Journal of Remote Sensing
- 14) Ekscentar
- 15) Computer Vision and Image Understanding
- 16) IEEE Transactions on Pattern Analysis and Machine Intelligence
- 17) EARSeL (European Association of Remote Sensing Laboratories) e-proceedings
- 18) MDPI Sensors
- 19) MDPI Remote Sensing
- 20) SPIE Journal of Applied Remote Sensing
- 21) Asian Journal of Geoinformatics
- 22) Journal of Electronic Imaging
- 23) IEEE/RSJ International Conference on Intelligent Robots and Systems
- 24) Int. Conference on Digital Media and its Applications in Cultural Heritage
- 25) Journal of Geodesy
- 26) International Journal of Geographical Information Science
- 27) Optical Engineering
- 28) Photogrammetric Journal of Finland
- 29) IEEE Transactions on Geoscience and Remote Sensing
- 30) IEEE Geoscience and Remote Sensing Letters

13.2. Editörlük yaptıđı dergiler

- 1) MDPI Remote Sensing (Guest Editor)

13.3. Diđer